

ABSTRACT

A laser arrangement with a resonant cavity which is folded by a folding mirror is disclosed. A quarter wave plate and a retro-reflector are arranged outside one of the cavity mirrors. Frequency converted light that exits the cavity through this cavity mirror passes the wave plate twice before re-entering the cavity. In this way, light re-enters the cavity with a polarization direction that is orthogonal to its original polarization direction, and a combined, non-polarized output beam is obtained from the laser arrangement.